

DAQ Trouble-shooting

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DAQ Trouble-shooting -1

1. If some of the atp/ seb/ ebc machines are not initialized correctly (appear red after the EvB Initialization and the problem is not fixed by just clicking on them) :

•Go to the ONCS gui and click on “**EvB Control Tool**”

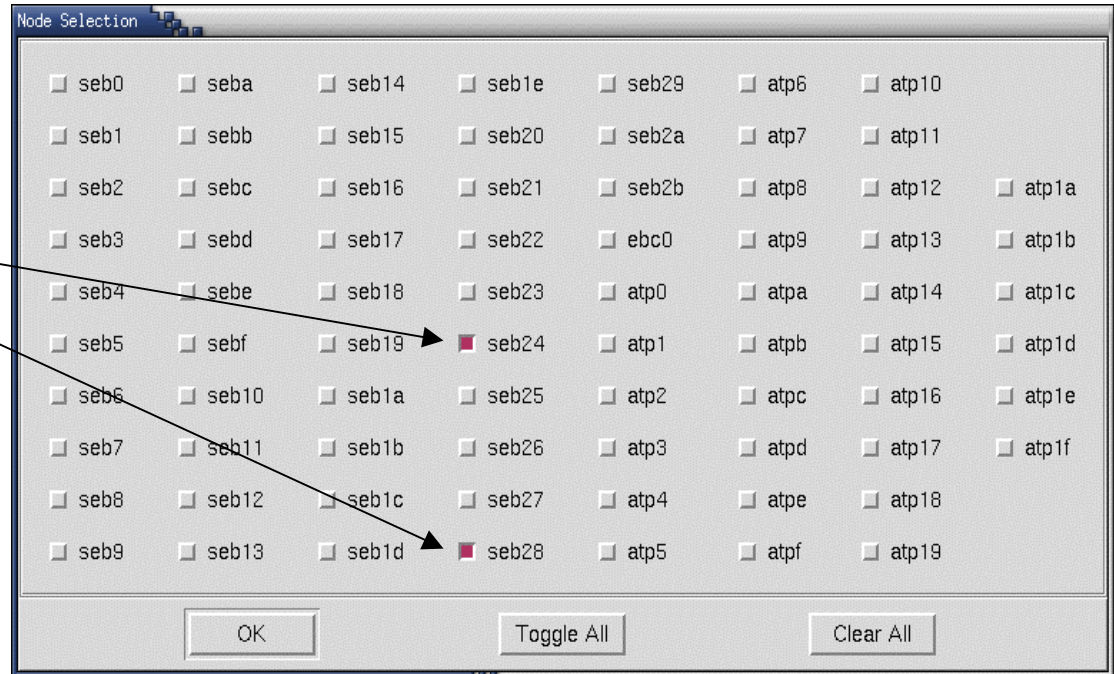
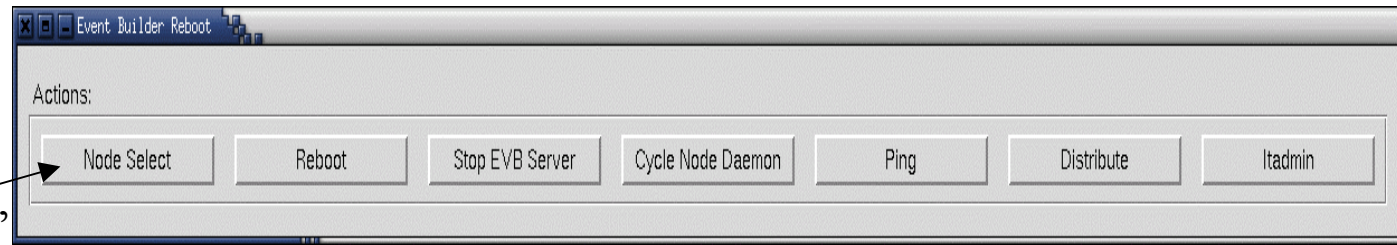
On the gui that will appear

click on “**Node Select**”

and click on the nodes that have not been initialized correctly (i.e. seb24, seb28).

Click OK to continue

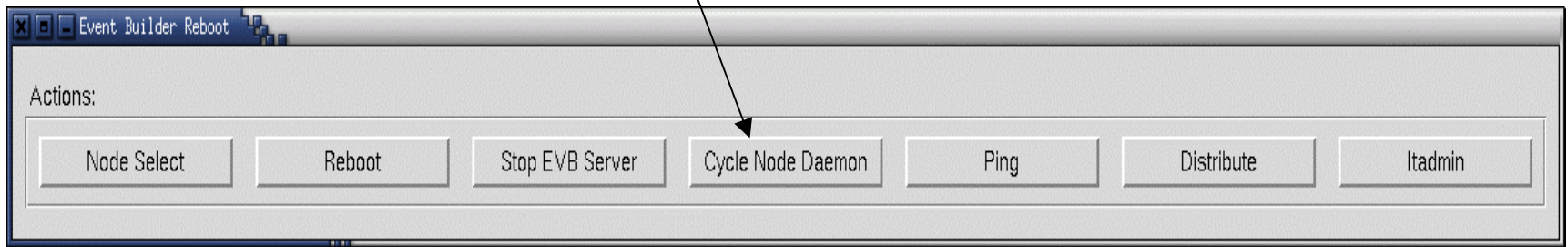
To unselect them click on them again



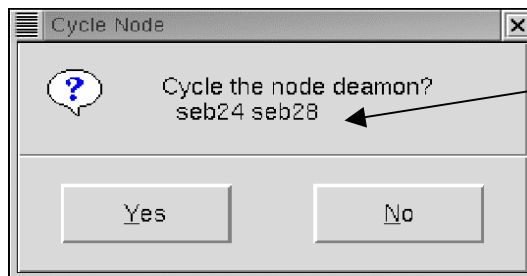
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1. If some of the atp/ seb/ ebc machines are not initialized correctly (appear red after the EvB Initialization) :

After selecting nodes, click on “**Cycle Node Daemon**” and click yes on the “**Cycle Node**” Gui. This will stop and restart the it_node_daemon (which allows corba communications)



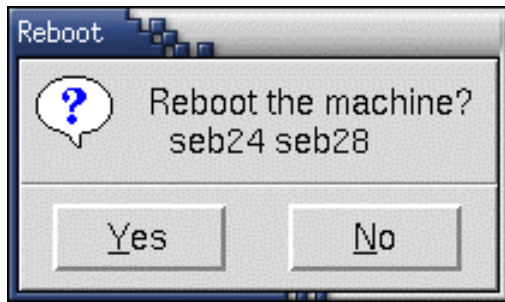
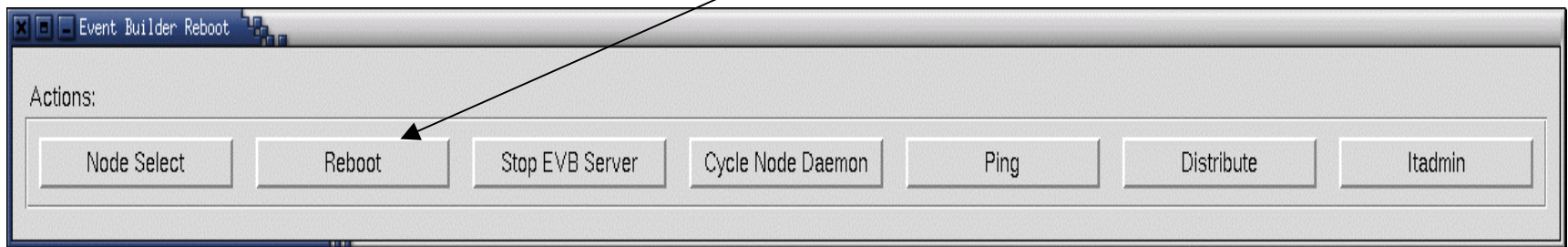
Make sure that you have selected the right nodes



After this is done – it will be indicated in the terminal that will open when you start the “EvB Control Tool” as starting `iona_services.node_daemon - initialize` by clicking on the relevant button on the main “**Event Builder Gui**”

1. If some of the atp/ seb/ ebc machines are not initialized correctly (appear red after the EvB Initialization) :

If the previous procedure does not solve the problem click on “**Reboot**” and when the machine is back again (you can ping to see when it has restarted) try initializing it by clicking on the relevant button on the main “**Event Builder Gui**”



2. EBC.0 button gets black on the runcontrol guis

- If this happens stop the run at the GL1 and at the partition you are running runcontrols and click on the EBC button in the “Event Builder Gui” – even if it is green.
- Download again on both GL1 and the partition rc’s and start a new run
- If the above does not work stop the run and reboot EBC from the “Event Builder Reboot” gui as described before . After the machine has restarted (ping to see if that is the case) click on the EBC button in the “Event Builder Gui” and start the run

3. Some/All ATPs stop reading during the run

- If there are just a couple of atps that stop reading or start having a lot of erros during the run just continue taking data if everything else is o.k.
When you stop the run you can repeat the same procedure as when the machines are not initialized correctly (1) and then initialize them in the “Event Builder Gui”
- If all the atps start getting read errors and the number of events collected already is above ~ 250000 evts, stop the run do an ONCS cleanup and start from scratch
- If all the atps start getting read errors and the number of events collected already is less than ~ 200000 evts, stop the run and contact an expert

4. SEB stop getting events

- Stop the run (after checking which buttons are red)
- If a particular DCM appears busy do a feed for the relevant system, check the low voltage and reboot the relevant iocondev gui (Ctrl-X) if there are any problems (i.e. Glink could not be locked)
- If the Glink was lost (red) try downloading and starting a couple of times. It is better to do this in standalone mode for the system that lost the Glink